

APPARATUS FOR REPAIRING CONCRETE

ABSTRACT OF THE INVENTION

An apparatus for repairing concrete structures utilize a generally flat composite material insert. The insert is inserted into a slot formed in a preexisting section of concrete and bonded to the preexisting section using an adhesive. The insert is installed
5 such that a portion of the insert extends beyond the preexisting structure and into a void where damaged concrete has been removed and where the new concrete is to be poured. The insert then functions to join the preexisting section and the new concrete section.
Alternatively, the insert may comprise an extension to attach an external fixture to the
concrete section. Alternatively, a slot can be created within two preexisting concrete
10 sections, adhesive added to the slot, and an insert installed in the slot. Again, the insert
functions to join the two concrete sections.